

Section II
Soil and Site Information

Building Site Development
Clark County, South Dakota

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Aastad-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
At: Aastad-----	65	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
Tonka-----	25	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Ba: Badger-----	65	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 1.00 0.75	Very limited Depth to saturated zone Flooding Cutbanks cave Too clayey	1.00 0.80 0.10 0.03	Very limited Flooding Depth to saturated zone	1.00 0.75
Tonka-----	25	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
BbB: Barnes-----	55	Somewhat limited Shrink-swell Frost action Low strength	0.50 0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Buse-----	35	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BbC: Barnes-----	55	Somewhat limited Shrink-swell Frost action Low strength	0.50 0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	35	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BcB: Barnes-----	40	Somewhat limited Shrink-swell Frost action Low strength	0.50 0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	30	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Svea-----	20	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
BcC: Barnes-----	40	Somewhat limited Shrink-swell Frost action Low strength	0.50 0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	35	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Svea-----	15	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
BdA: Barnes-----	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
		Low strength	0.22				
Svea-----	40	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
BdB: Barnes-----	65	Somewhat limited Shrink-swell	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
		Low strength	0.22				
Svea-----	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
BeA: Beadle-----	85	Very limited Shrink-swell	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
BeB: Beadle-----	85	Very limited Shrink-swell	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
BeC: Beadle-----	80	Very limited Shrink-swell	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BfA: Beadle-----	55	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Dudley-----	35	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
BkD: Betts-----	40	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ethan-----	40	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BmA: Blendon-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Bn: Bon-----	85	Somewhat limited Frost action Flooding	0.50 0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	
Bo: Bon-----	85	Very limited Frost action Flooding	1.00 1.00	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.80 0.61	Very limited Flooding	1.00
BrD: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Barnes-----	40	Somewhat limited Slope Shrink-swell Frost action Low strength	0.63 0.50 0.50 0.22	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
BsE: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Barnes-----	40	Very limited Slope Shrink-swell Frost action Low strength	1.00 0.50 0.50 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BuE: Buse-----	35	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
La Prairie-----	30	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.47 0.10	Somewhat limited Flooding	0.60
Barnes-----	25	Very limited Slope Shrink-swell Frost action Low strength	1.00 0.50 0.50 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
ByE: Buse-----	55	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Langhei-----	35	Very limited Slope Low strength Frost action	1.00 1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BzE: Buse-----	55	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Sioux-----	35	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.61 0.25
Ca: Cavour-----	55	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
Ferney-----	35	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
CbA: Clarno-----	60	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Bonilla-----	30	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
CbB: Clarno-----	65	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bonilla-----	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
CeB: Clarno-----	40	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
Ethan-----	25	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
Bonilla-----	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
CeC: Clarno-----	40	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
Ethan-----	30	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
Bonilla-----	20	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Co: Colvin-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Ponding	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cr: Cresbard-----	55	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Cavour-----	35	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Ct: Crossplain-----	60	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	0.75				
Tetonka-----	25	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
Cu: Cubden-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Cv: Cubden-----	55	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Badger-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00	Too clayey	0.03		
		Depth to saturated zone	0.75				
Cw: Cubden-----	55	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Tonka-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Ponding	1.00				
Da: Davison-----	60	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.99	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
Crossplain-----	25	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	0.75				
DeA: Delmont-----	50	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.01
Enet-----	40	Not limited		Very limited Cutbanks cave	1.00	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DeB: Delmont-----	55	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.01
Enet-----	35	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Dm: Dimo-----	85	Very limited Frost action Flooding	1.00 1.00	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03
Dv: Divide-----	90	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Dx: Dudley-----	55	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
Jerauld-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.47 0.28 0.10	Very limited Sodium content	1.00
Dy: Durrstein-----	85	Very limited Flooding Shrink-swell Low strength Depth to saturated zone Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Too clayey Cutbanks cave	1.00 0.80 0.28 0.10	Very limited Flooding Sodium content Depth to saturated zone Salinity	1.00 1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EgA: Egeland-----	45	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Embden-----	45	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
EgB: Egeland-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Embden-----	40	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
EoD: Ethan-----	55	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Bon-----	30	Very limited Frost action Flooding	1.00 1.00	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.80 0.61	Very limited Flooding	1.00
Fa: Farmsworth-----	50	Very limited Low strength Shrink-swell Frost action Flooding Depth to saturated zone	1.00 1.00 0.50 0.40 0.03	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Sodium content Depth to saturated zone	1.00 0.03

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Durrstein-----	35	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Shrink-swell	1.00	Flooding	0.80	Sodium content	1.00
		Low strength	1.00	Too clayey	0.28	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10	Salinity	1.00
		Frost action	0.50				
FdA: Fordville-----	95	Not limited		Very limited Cutbanks cave	1.00	Not limited	
FmA: Forman-----	65	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Aastad-----	25	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Depth to saturated zone	0.90		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
FmB: Forman-----	65	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Aastad-----	25	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Depth to saturated zone	0.90		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
FnB: Forman-----	35	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Buse-----	25	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aastad-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
FnC: Forman-----	40	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	35	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	15	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90 0.10	Not limited	
FoA: Forman-----	60	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Cresbard-----	30	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	
FoB: Forman-----	60	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Cresbard-----	30	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ft: Forman-----	50	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Cresbard-----	25	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	
Tonka-----	15	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
HaA: Hamerly-----	90	Very limited Frost action Low strength Shrink-swell	1.00 0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Hb: Hamerly-----	60	Very limited Frost action Low strength Shrink-swell	1.00 0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Tonka-----	25	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hd: Harriet-----	90	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave Too clayey	1.00 0.60 0.10 0.03	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
He: Heil-----	90	Very limited Depth to saturated zone Low strength Shrink-swell Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey	1.00 1.00 1.00 0.72	Very limited Depth to saturated zone Ponding	1.00 1.00
HkB: Henkin-----	50	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Blendon-----	35	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
HmA: Hetland-----	90	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
HmB: Hetland-----	90	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
HnB: Houdek-----	40	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ethan-----	25	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Prosper-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
HnC: Houdek-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ethan-----	30	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Prosper-----	15	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
HpA: Houdek-----	65	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Prosper-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
HpB: Houdek-----	65	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Prosper-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HsA: Houdek-----	60	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Stickney-----	30	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
HsB: Houdek-----	60	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Stickney-----	25	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Ht: Houdek-----	50	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Stickney-----	25	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Tetonka-----	15	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hv: Hoven-----	95	Very limited Depth to saturated zone Low strength Shrink-swell Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Depth to saturated zone Sodium content Ponding	1.00 1.00 1.00
KrB: Kranzburg-----	40	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	25	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Waubay-----	25	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
La: La Prairie-----	90	Very limited Low strength Shrink-swell Frost action Flooding	1.00 0.50 0.50 0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Lf: La Prairie-----	65	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.47 0.10	Somewhat limited Flooding	0.60
Fairdale-----	25	Very limited Flooding Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.80 0.61 0.10	Very limited Flooding	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lh: La Prairie-----	60	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.47 0.10	Somewhat limited Flooding	0.60
Holmquist-----	25	Very limited Flooding Depth to saturated zone Shrink-swell Frost action Low strength	1.00 1.00 0.50 0.50 0.22	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
Lk: Ladelle-----	90	Very limited Frost action Low strength Shrink-swell Flooding	1.00 1.00 0.50 0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Lm: Lamo-----	85	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 0.50 0.19	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
Lo: Lowe-----	90	Very limited Frost action Flooding Depth to saturated zone Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lw: Ludden-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.80	Too clayey	1.00
		Shrink-swell	1.00	Too clayey	0.50	Salinity	0.50
		Depth to saturated zone	1.00				
MaB: Maddock-----	55	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Egeland-----	35	Not limited		Very limited Cutbanks cave	1.00	Not limited	
MaC: Maddock-----	60	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Egeland-----	30	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Md: Marysland-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Depth to saturated zone	1.00	Flooding	0.60		
		Shrink-swell	0.50				
		Low strength	0.22				
Divide-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
				Depth to saturated zone	1.00		
MsA: Mauvais-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.03
		Low strength	1.00	Cutbanks cave	0.10	Salinity	0.01
		Shrink-swell	0.50				
		Depth to saturated zone	0.03				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MtA: Minnewasta-----	85	Very limited Frost action Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.50 0.43	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.43
MtB: Minnewasta-----	90	Very limited Frost action Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.50 0.43	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.43
Mw: Minnewaukan-----	90	Very limited Depth to saturated zone Flooding Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding	1.00 1.00 1.00 0.60	Very limited Depth to saturated zone Ponding Flooding Droughty	1.00 1.00 0.60 0.39
Mz: Moritz-----	60	Very limited Frost action Low strength Shrink-swell Flooding Depth to saturated zone	1.00 1.00 0.50 0.40 0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.03
Lowe-----	25	Very limited Frost action Flooding Depth to saturated zone Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Od: Oldham-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	1.00				
Og: Orthents, Gravelly--	90	Very limited Slope	1.00	Very limited Cutbanks cave	1.00	Very limited Slope	1.00
				Slope	1.00	Droughty	0.42
						Gravel content	0.25
Pa: Parnell-----	95	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
PeA: Peever-----	90	Very limited Low strength	1.00	Somewhat limited Depth to	0.15	Not limited	
		Shrink-swell	1.00	saturated zone			
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
PeB: Peever-----	85	Very limited Low strength	1.00	Somewhat limited Depth to	0.15	Not limited	
		Shrink-swell	1.00	saturated zone			
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		
Pf: Peever-----	65	Very limited Low strength	1.00	Somewhat limited Depth to	0.15	Not limited	
		Shrink-swell	1.00	saturated zone			
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cavour-----	25	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Pk: Peever-----	45	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Cresbard-----	25	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Tonka-----	15	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Ponding	1.00				
Pm: Playmoor-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.80	Salinity	1.00
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				
PnB: Poinsett-----	35	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Buse-----	30	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Waubay-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
PnC: Poinsett-----	40	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Buse-----	35	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell Frost action	0.50 0.50				
Waubay-----	15	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
PoC: Poinsett-----	45	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Rusklyn-----	40	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
PrB: Poinsett-----	40	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Rusklyn-----	25	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Waubay-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
PwA: Poinsett-----	55	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Waubay-----	35	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
PwB: Poinsett-----	65	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Waubay-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Ra: Ranslo-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Shrink-swell	1.00	Cutbanks cave	0.10	Depth to saturated zone	0.19
		Low strength Depth to saturated zone	1.00 0.19	Too clayey	0.03		

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Re: Rauville-----	85	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
RfA: Fordville-----	45	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Renshaw-----	45	Not limited		Very limited Cutbanks cave	1.00	Not limited	
RfB: Renshaw-----	55	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Fordville-----	35	Not limited		Very limited Cutbanks cave	1.00	Not limited	
RsA: Renshaw-----	65	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Sioux-----	25	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.61 0.25
RsB: Renshaw-----	55	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Sioux-----	35	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.61 0.25
RsC: Renshaw-----	45	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Sioux-----	45	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.61 0.25

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sa: Salmo-----	85	Very limited Frost action Flooding Low strength Depth to saturated zone Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone Salinity	1.00 1.00 1.00
SnA: Sinai-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey	1.00 0.72	Very limited Too clayey	1.00
SnB: Sinai-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey	1.00 0.72	Very limited Too clayey	1.00
SrD: Sioux-----	55	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope Droughty Gravel content	0.63 0.61 0.25
Renshaw-----	35	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope	0.63
Ss: Southam-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 0.10 0.03	Very limited Ponding Depth to saturated zone Salinity	1.00 1.00 0.13
Sw: Spottswood-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sy: Stickney-----	55	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Dudley-----	35	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
Te: Tetonka-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
To: Tonka-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Va: Vallars-----	50	Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding	1.00 1.00 1.00 0.50 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
Hamerly-----	40	Very limited Frost action Low strength Shrink-swell	1.00 0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	

Section II
Soil and Site Information

Building Site Development
Clark County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
Wa: Waubay-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Wg: Worthing-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Wm: Wyndmere-----	90	Very limited Frost action	1.00	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Wp: Wyndmere-----	60	Very limited Frost action	1.00	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Parnell-----	30	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00